

## CLAIMS

What is claimed is:

- 1           1.     A method of managing multiple telephone calls in a network, comprising  
2     the steps of:  
3                 receiving an incoming telephone call having a first character for a  
4     subscriber to the network;  
5                 determining whether the incoming telephone call has one of the first  
6     character and a second character in order to classify the incoming telephone call; and  
7                 routing the incoming telephone call to a location depending upon its  
8     classification as a telephone call of the first or second character.
- 1           2.     The method recited in claim 1, wherein the determining step comprises the  
2     step of reading an identification number associated with the subscriber to determine  
3     whether the subscriber has activated a feature associated with the incoming call indicative  
4     of the first or second character.
- 1           3.     The method recited in claim 2, wherein the determining step comprises the  
2     step of detecting at least one tone associated with the incoming telephone call wherein the  
3     first or second character can be determined from the tone.
- 1           4.     The method recited in claim 3, wherein the second character indicates that  
2     the incoming call comprises a facsimile transmission.
- 1           5.     The method recited in claim 4 wherein the first character indicates that the  
2     incoming call comprises a voice call.
- 1           6.     The method recited in claim 5, further comprising the step of notifying the  
2     subscriber that a facsimile transmission has been received by the network.

1           7.       The method recited in claim 6, wherein the routing step comprises the step  
2 of sending the facsimile transmission to a voice mail location for the subscriber.

1           8.       The method recited in claim 7, wherein the notifying step comprises the  
2 step of sending a web page to the subscriber to tell the subscriber that a facsimile  
3 transmission has been received and forwarded to voice mail.

1           9.       A method of routing telephone calls in a network, comprising the steps of:  
2                   receiving an incoming telephone call to the network that is intended for a  
3 subscriber to the network;

4                   classifying the incoming call as one of a voice call and another type of  
5 call;

6                   routing the incoming call to the subscriber to the network if the incoming  
7 call is classified as a voice call; and

8                   routing the incoming call to another location if the incoming call is  
9 classified as another type of call.

1           10.      The method recited in claim 9, further comprising the step of notifying the  
2 subscriber that an incoming call of the other type has been received by the network.

1           11.      The method recited in claim 10, wherein the incoming call of the other  
2 type comprises a facsimile call.

1           12.      The method recited in claim 11, the step of routing the facsimile call  
2 comprises the storing the facsimile call in a voice mail location associated with the  
3 subscriber of the network.

1           13.     The method recited in claim 12, wherein the facsimile call has associated  
2     with it a series of tones which indicate to the network that the incoming call is a facsimile  
3     call.

1           14.     The method recited in claim 9, further comprising the step of identifying a  
2     mobile identification number associated with a subscriber so that the network can  
3     determine whether the subscriber has activated a feature associated with the incoming  
4     call so that it can be determined whether the incoming call is the voice call or the call of  
5     the other type.

1           15.     A system for managing multiple telephone calls in a network, comprising:  
2                   a receiving module for receiving an incoming telephone call having a first  
3     character for a subscriber to the network;  
4                   a classifying module for classifying the incoming telephone call as a call  
5     having one of the first character and a second character; and  
6                   a routing module for routing the incoming telephone call to a location  
7     depending upon its classification as a telephone call of the first or second character.

1           16.     The system recited in claim 15, wherein the classifying module comprises  
2     a reading module for reading a mobile identification number associated with the  
3     subscriber to determine whether the subscriber has activated a feature associated with the  
4     incoming call so that the first or second character can be determined.

1           17.     The system recited in claim 16, wherein the classifying module is operable  
2     for detecting at least one tone associated with the incoming telephone call wherein the  
3     first or second character can be determined from the tone.

1           18.     The system recited in claim 17, wherein the second character indicates that  
2     the incoming call comprises a facsimile transmission.

1           19.     The system recited in claim 18 wherein the first character indicates that  
2     the incoming call comprises a voice call.

1           20.     The system recited in claim 19, further comprising a notifying module for  
2     notifying the subscriber that a facsimile transmission has been received by the network.

1           21.     The system recited in claim 20, wherein the routing module is operable for  
2     sending the facsimile transmission to a voice mail location for the subscriber.

1           22.     The method recited in claim 21, wherein the notifying module is operable  
2     for sending a web page to the subscriber to tell the subscriber that a facsimile  
3     transmission has been received and forwarded to voice mail.